

# Converting Colors

$Y_{xy}(100.0000, 0.2575, 0.4034)$

Have a look what the booklet for  
Yxy(100.0000, 0.2575, 0.4034)  
contains.

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# Color

**Yxy(79.1201, 0.2504, 0.3707)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5EFFDD
RGB	94, 255, 221
RGB Percent	37%, 100%, 87%
CMY	0.6306, 0.0001, 0.1333
CMYK	0.63, 0.00, 0.13, 0.00
HSL	167°, 100%, 68%
HSV	167°, 63%, 100%
XYZ	53.4440, 79.1201, 80.8703
YIQ	202.9850, -85.0420, -44.7060

# Conversions

## Conversions Part 2

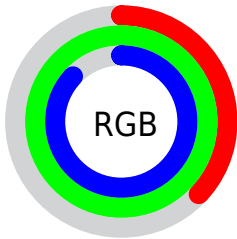
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	94, 184, 255
Decimal	6225885
CIE <sub>Lab</sub>	91.29, -49.76, 3.86
CIE <sub>LCh</sub>	91, 49.911, 175.567
Yxy	79.1201, 0.2504, 0.3707
Android (android.graphics.Color)	4284415965 (0xFF5EFFDD)
YUV	202.9850, 8.8814, -95.5798
Hunter-Lab	88.9495, -48.4126, 8.3599

# Details

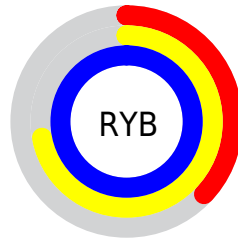
The Yxy color **79.1201, 0.2504, 0.3707** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **30.8632, 0.4733, 0.2971**, and the grayscale version is **59.7308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1109, 0.2601, 0.3288**, and **42.6857, 0.2388, 0.3796** is the 20% darker color. If you saturate the color by 10%, you get **77.7044, 0.2462, 0.3785**, and if you desaturate by 10%, it is **80.9965, 0.2566, 0.3631**.

# Distribution



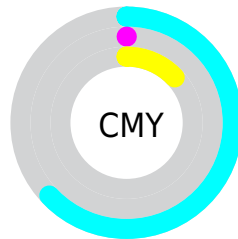
- Red (37%)
- Green (100%)
- Blue (87%)



- Red (37%)
- Yellow (72%)
- Blue (100%)



- Cyan (63%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)




- Cyan (63%)
- Magenta (0%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.1201, 0.2504, 0.3707 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 79.1201, 0.2504, 0.3707 by changing the saturation by 10% instead.





 79.1201, 0.2504,  
0.3707

 79.1201, 0.2504,  
0.3707


491.9625, 0.2788,  
0.3514


 58.9946, 0.2441,  
0.3751


 132.1279, 0.2601,  
0.3640

 42.6087, 0.2363,  
0.3805

 165.7790, 0.2640,  
0.3614

 29.5782, 0.2266,  
0.3873


 204.7074, 0.2673,  
0.3592

 19.5187, 0.2141,  
0.3962

249.2974, 0.2701,  
0.3572

 12.0457, 0.1975,  
0.4082

299.9336, 0.2727,  
0.3555

 6.7748, 0.1745,  
0.4252

357.0002, 0.2749,

 3.3217, 0.1411,

0.3540

420.8818, 0.2770,  
0.3527

0.4510

1.3019, 0.0000,  
0.5428

0.1427, 0.0000,  
1.0000

79.1201, 0.2504,  
0.3707

79.1201, 0.2504,  
0.3707

77.7044, 0.2462,  
0.3785

80.9965, 0.2566,  
0.3631

76.6945, 0.2439,  
0.3864

83.3640, 0.2645,  
0.3557

76.0377, 0.2437,  
0.3942

86.2608, 0.2741,  
0.3487

75.7334, 0.2443,  
0.3995

89.7191, 0.2848,  
0.3421

 93.7682, 0.2965,  
0.3361

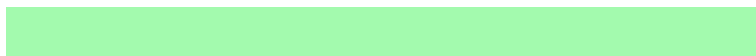
 98.4354, 0.3089,  
0.3306

99.9912, 0.3127,  
0.3290

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.1201, 0.3018, 0.4200



79.1201, 0.2504, 0.3707



79.1201, 0.2175, 0.3111

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.1201, 0.2504, 0.3707



79.1201, 0.2605, 0.2391



79.1201, 0.4289, 0.3778

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



79.1201, 0.2504, 0.3707



30.8632, 0.4733, 0.2971

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.1201, 0.4177, 0.3326



79.1201, 0.2504, 0.3707



79.1201, 0.3152, 0.2568

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.1201, 0.2504, 0.3707



79.1201, 0.2232, 0.2408



79.1201, 0.3744, 0.2899



79.1201, 0.4061, 0.4167



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.1201, 0.2504, 0.3707



79.1201, 0.2087, 0.2779



79.1201, 0.3744, 0.2899



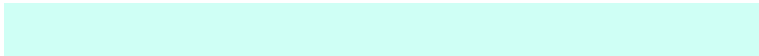
79.1201, 0.4292, 0.3629

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



79.1232, 0.2504, 0.3707



91.2988, 0.2894, 0.3396



76.9937, 0.3190, 0.5242



19.3026, 0.2862, 0.3414



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.1232, 0.2504, 0.3707



77.3761, 0.2453, 0.3808



55.4233, 0.2236, 0.2718



20.4118, 0.3008, 0.3341



39.5999, 0.2440, 0.3983



3.8714, 0.2415, 0.3894



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



30.8632, 0.4733, 0.2971



25.5812, 0.5266, 0.2972



40.7560, 0.4822, 0.3736



18.0499, 0.3261, 0.3240



11.2648, 0.6049, 0.3106

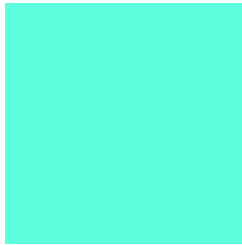


1.1119, 0.5747, 0.2939



# Previews

## White Background



This preview shows how the Yxy color 79.1201, 0.2504, 0.3707 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

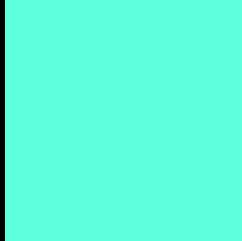
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.1201, 0.2504, 0.3707 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

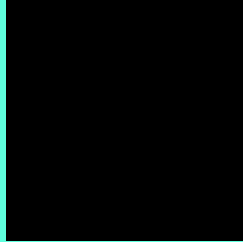
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 79.1201, 0.2504, 0.3707**

## Background



This preview shows how black text looks on a background with the Yxy color 79.1201, 0.2504, 0.3707.



This preview shows how white text looks on a background with the Yxy color 79.1201, 0.2504, 0.3707.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

79.1201, 0.2504, 0.3707

### Protanopia

77.3989, 0.3337, 0.3512

### Deuteranopia

77.6383, 0.3288, 0.3220



## Tritanopia

78.2376, 0.2612, 0.3133

# Trichromacy



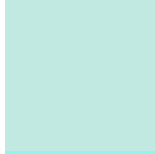
## Original Color

79.1201, 0.2504, 0.3707



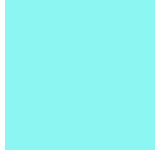
## Protanomaly

75.5858, 0.2947, 0.3589



## Deuteranomaly

75.0515, 0.2914, 0.3379



## Tritanomaly

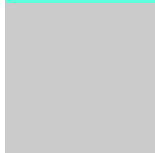
77.9580, 0.2555, 0.3323

# Monochromacy



## Original Color

79.1201, 0.2504, 0.3707



## Achromatopsia

59.7202, 0.3127, 0.3290



## Achromatomaly

64.6822, 0.2808, 0.3437

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.1201, 0.2504, 0.3707 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(94, 255, 221)` looks like.

```
.text, #text, p{  
    color:rgb(94, 255, 221)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(94, 255, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 255, 221) }
```

## Border

The CSS property to change the border of an element to Yxy 79.1201, 0.2504, 0.3707 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(94, 255, 221) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(94, 255, 221) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(94, 255, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 255, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 255, 221);  
box-shadow:4px 4px 4px 4px rgb(94, 255,  
221) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.1201, 0.2504, 0.3707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 255, 221) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(94, 255,  
221) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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